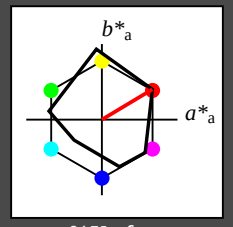
Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton *h* = lab*h = 31/360 = 0.086*
*lab*tch* und *lab*nch*

D65: Buntton R
LCH*Ma: 50 78 31
rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit *t**

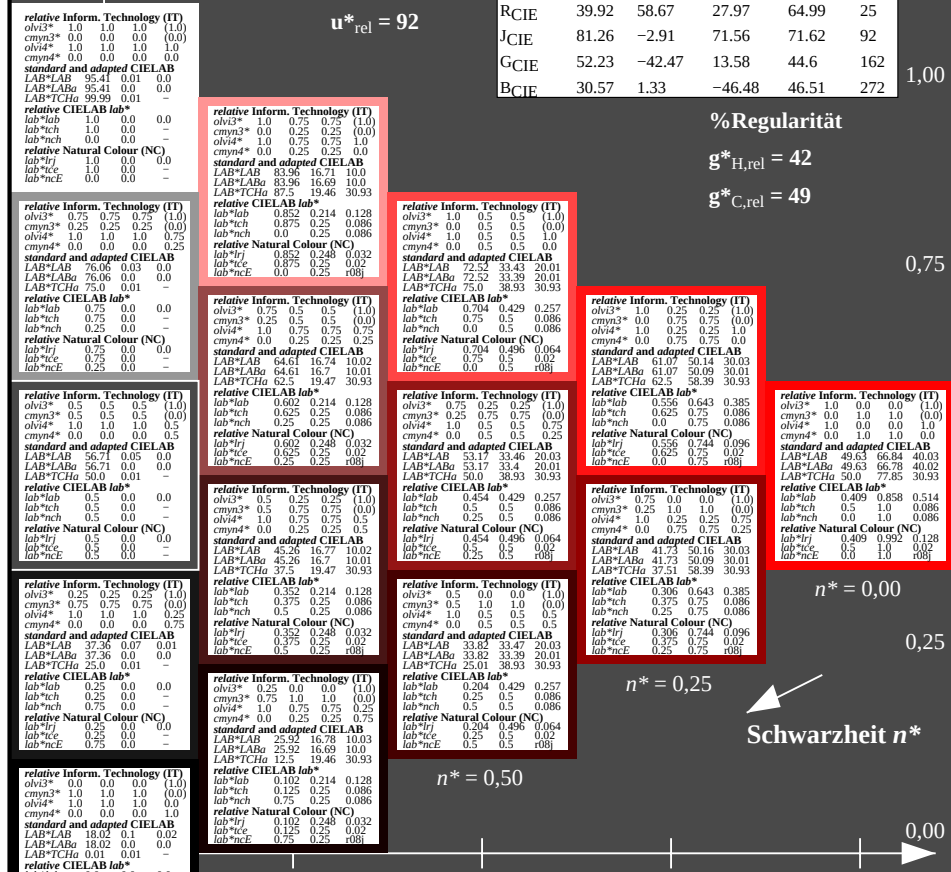


%Umfang
u*$_{rel}$ = 92

%Regularität
g*$_{H,rel}$ = 42
g*$_{C,rel}$ = 49

MRS18a; adaptierte CIELAB-Daten

	L*=L*$_a$	a*$_a$	b*$_a$	C*$_{ab,a}$	h*$_{ab,a}$
R$_{Ma}$	49.63	66.8	40.02	77.87	31
J$_{Ma}$	90.7	−7.27	93.19	93.48	94
G$_{Ma}$	52.11	−69.93	11.26	70.85	171
G50B$_{Ma}$	45.03	−36.65	−27.13	45.61	217
B$_{Ma}$	36.65	23.26	−62.27	66.49	290
B50R$_{Ma}$	34.94	57.27	−43.6	71.99	323
N$_{Ma}$	18.01	0.0	0.0	0.0	0
W$_{Ma}$	95.41	0.0	0.0	0.0	0
R$_{CIE}$	39.92	58.67	27.97	64.99	25
J$_{CIE}$	81.26	−2.91	71.56	71.62	92
G$_{CIE}$	52.23	−42.47	13.58	44.6	162
B$_{CIE}$	30.57	1.33	−46.48	46.51	272

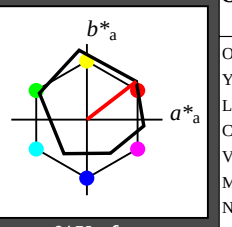


Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton *h* = lab*h = 38/360 = 0.105*
*lab*tch* und *lab*nch*

D65: Buntton O
LCH*Ma: 48 83 38
rgb*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit *t**

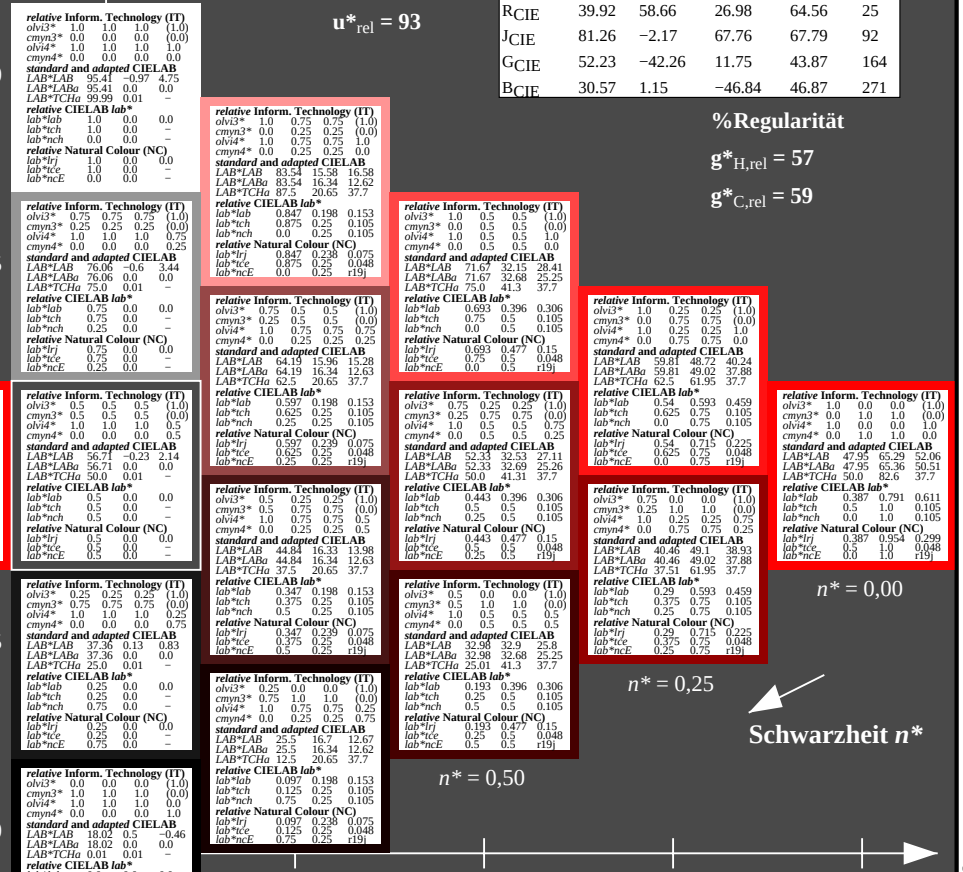


%Umfang
u*$_{rel}$ = 93

%Regularität
g*$_{H,rel}$ = 57
g*$_{C,rel}$ = 59

ORS18; adaptierte CIELAB-Daten

	L*=L*$_a$	a*$_a$	b*$_a$	C*$_{ab,a}$	h*$_{ab,a}$
O$_{Ma}$	47.94	65.37	50.52	82.62	38
Y$_{Ma}$	90.37	−10.27	91.77	92.34	96
L$_{Ma}$	50.9	−62.79	34.95	71.87	151
C$_{Ma}$	58.62	−30.35	−45.01	54.3	236
V$_{Ma}$	25.71	31.11	−44.42	54.24	305
M$_{Ma}$	48.13	75.27	−8.35	75.73	354
N$_{Ma}$	18.01	0.0	0.0	0.0	0
W$_{Ma}$	95.41	0.0	0.0	0.0	0
R$_{CIE}$	39.92	58.66	26.98	64.56	25
J$_{CIE}$	81.26	−2.17	67.76	67.79	92
G$_{CIE}$	52.23	−42.26	11.75	43.87	164
B$_{CIE}$	30.57	1.15	−46.84	46.87	271



TG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 31/360 = 0.086 (links)

5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

BAM-Prüfvorlage TG56; Farbmetrik-Systeme MRS18a & ORS18
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt**one**

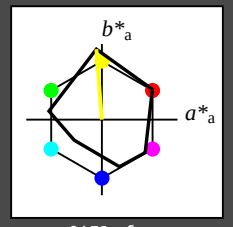
Input: *olv* setrgbcolor*
Output: *olv* setrgbcolor / w* setgray*

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton *h* = lab*h = 94/360 = 0.262*
*lab*tch* und *lab*nch*

D65: Buntton J
LCH*Ma: 91 93 94
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u*$_{rel}$ = 92

MRS18a; adaptierte CIELAB-Daten

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
R_{Ma}	49.63	66.8	40.02	77.87	31
J_{Ma}	90.7	−7.27	93.19	93.48	94
G_{Ma}	52.11	−69.93	11.26	70.85	171
$G50B_{Ma}$	45.03	−36.65	−27.13	45.61	217
B_{Ma}	36.65	23.26	−62.27	66.49	290
$B50R_{Ma}$	34.94	57.27	−43.6	71.99	323
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.67	27.97	64.99	25
J_{CIE}	81.26	−2.91	71.56	71.62	92
G_{CIE}	52.23	−42.47	13.58	44.6	162
B_{CIE}	30.57	1.33	−46.48	46.51	272

1,00

%Regularität

g*$_{H,rel}$ = 42

g*$_{C,rel}$ = 49

0,75

0,25

0,00

n* = 1,0 n* = 0,75 n* = 0,50 n* = 0,25 n* = 0,00

Schwarzheit *n**

0,25 0,50 0,75 1,00

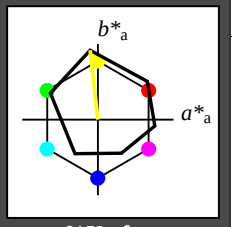
relative Buntheit *c**

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton *h* = lab*h = 96/360 = 0.268*
*lab*tch* und *lab*nch*

D65: Buntton Y
LCH*Ma: 90 92 96
rgb*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

%Regularität

g*$_{H,rel}$ = 57

g*$_{C,rel}$ = 59

n* = 1,0 n* = 0,75 n* = 0,50 n* = 0,25 n* = 0,00

Schwarzheit *n**

0,25 0,50 0,75 1,00

relative Buntheit *c**

TG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.262 (links)

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

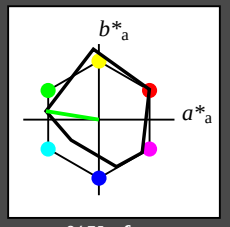
BAM-Prüfvorlage TG56; Farbmetrik-Systeme MRS18a & ORS18 Input: *olv* setrgbcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt one Output: *olv* setrgbcolor / w* setgray*

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton *h* = lab*h = 171/360 = 0.475*
*lab*tch* und *lab*nch*

D65: Buntton G
LCH*Ma: 52 71 171
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u*$_{rel}$ = 92

MRS18a; adaptierte CIELAB-Daten

	L=L*$_a$*	*a*$_a$*	*b*$_a$*	*C*$_{ab,a}$*	*h*$_{ab,a}$*
R_{Ma}	49.63	66.8	40.02	77.87	31
J_{Ma}	90.7	−7.27	93.19	93.48	94
G_{Ma}	52.11	−69.93	11.26	70.85	171
$G50B_{Ma}$	45.03	−36.65	−27.13	45.61	217
B_{Ma}	36.65	23.26	−62.27	66.49	290
$B50R_{Ma}$	34.94	57.27	−43.6	71.99	323
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.67	27.97	64.99	25
J_{CIE}	81.26	−2.91	71.56	71.62	92
G_{CIE}	52.23	−42.47	13.58	44.6	162
B_{CIE}	30.57	1.33	−46.48	46.51	272

1,00

%Regularität

g*$_{H,rel}$ = 42

g*$_{C,rel}$ = 49

0,75

0,25

0,00

0,25 0,50 0,75 1,00

relative Buntheit *c**

Schwarzheit *n**

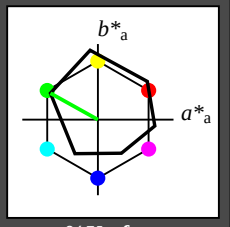
*n** = 0,00 | *n** = 0,25 | *n** = 0,50 | *n** = 1,0

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton *h* = lab*h = 151/360 = 0.419*
*lab*tch* und *lab*nch*

D65: Buntton L
LCH*Ma: 51 72 151
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

	L=L*$_a$*	*a*$_a$*	*b*$_a$*	*C*$_{ab,a}$*	*h*$_{ab,a}$*
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

%Regularität

g*$_{H,rel}$ = 57

g*$_{C,rel}$ = 59

0,25 0,50 0,75 1,00

relative Buntheit *c**

Schwarzheit *n**

*n** = 0,00 | *n** = 0,25 | *n** = 0,50 | *n** = 1,0

TG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 171/360 = 0.475 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

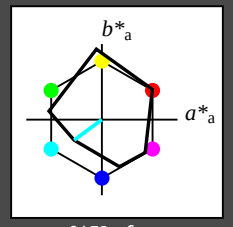
BAM-Prüfvorlage TG56; Farbmetrik-Systeme MRS18a & ORS18 Input: *olv* setrgbcolor*
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt Output: *olv* setrgbcolor / w* setgray*

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton *h* = lab*h = 217/360 = 0.601*
*lab*tch* und *lab*nch*

D65: Buntton G50B
LCH*Ma: 45 46 217
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit *t**



%Umfang

u*rel = 92

MRS18a; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	−7.27	93.19	93.48	94
GMa	52.11	−69.93	11.26	70.85	171
G50BMa	45.03	−36.65	−27.13	45.61	217
BMa	36.65	23.26	−62.27	66.49	290
B50RMa	34.94	57.27	−43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	−2.91	71.56	71.62	92
GCIE	52.23	−42.47	13.58	44.6	162
BCIE	30.57	1.33	−46.48	46.51	272

1,00

%Regularität

g*H,rel = 42

g*C,rel = 49

0,75

0,25

0,00

n* = 0,00

n* = 0,25

n* = 0,50

n* = 1,0

Schwarzheit *n**

0,25 0,50 0,75 1,00

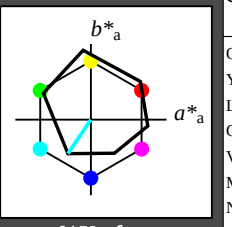
relative Buntheit *c**

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton *h* = lab*h = 236/360 = 0.656*
*lab*tch* und *lab*nch*

D65: Buntton C
LCH*Ma: 59 54 236
rgb*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit *t**



%Umfang

u*rel = 93

ORS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	−10.27	91.77	92.34	96
LMa	50.9	−62.79	34.95	71.87	151
CMa	58.62	−30.35	−45.01	54.3	236
VMa	25.71	31.11	−44.42	54.24	305
MMa	48.13	75.27	−8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	−2.17	67.76	67.79	92
GCIE	52.23	−42.26	11.75	43.87	164
BCIE	30.57	1.15	−46.84	46.87	271

1,00

%Regularität

g*H,rel = 57

g*C,rel = 59

0,75

0,25

0,00

n* = 0,00

n* = 0,25

n* = 0,50

n* = 1,0

Schwarzheit *n**

0,25 0,50 0,75 1,00

relative Buntheit *c**

TG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 217/360 = 0.601 (links)

5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (rechts)

BAM-Prüfvorlage TG56; Farbmetrik-Systeme MRS18a & ORS18
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntton

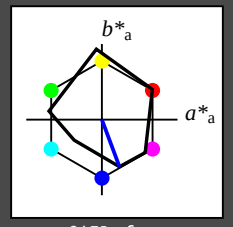
Input: *olv* setrgbcolor*
Output: *olv* setrgbcolor / w* setgray*

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton *h* = lab*h = 290/360 = 0.807*
*lab*tch* und *lab*nch*

D65: Buntton B
LCH*Ma: 37 66 290
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit *t**



%Umfang

u*$_{rel}$ = 92

MRS18a; adaptierte CIELAB-Daten

	L*=L*$_a$	a*$_a$	b*$_a$	C*$_{ab,a}$	h*$_{ab,a}$
R_{Ma}	49.63	66.8	40.02	77.87	31
J_{Ma}	90.7	−7.27	93.19	93.48	94
G_{Ma}	52.11	−69.93	11.26	70.85	171
$G50B_{Ma}$	45.03	−36.65	−27.13	45.61	217
B_{Ma}	36.65	23.26	−62.27	66.49	290
$B50R_{Ma}$	34.94	57.27	−43.6	71.99	323
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.67	27.97	64.99	25
J_{CIE}	81.26	−2.91	71.56	71.62	92
G_{CIE}	52.23	−42.47	13.58	44.6	162
B_{CIE}	30.57	1.33	−46.48	46.51	272

%Regularität

g*$_{H,rel}$ = 42

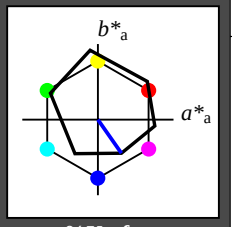
g*$_{C,rel}$ = 49

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton *h* = lab*h = 305/360 = 0.847*
*lab*tch* und *lab*nch*

D65: Buntton V
LCH*Ma: 26 54 305
rgb*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit *t**



%Umfang

u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

	L*=L*$_a$	a*$_a$	b*$_a$	C*$_{ab,a}$	h*$_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

%Regularität

g*$_{H,rel}$ = 57

g*$_{C,rel}$ = 59

1,00
0,75
0,50
0,25
0,00

n* = 1,0
n* = 0,75
n* = 0,50
n* = 0,25
n* = 0,00

Schwarzheit *n**

0,25 0,50 0,75 1,00

relative Buntheit *c**

TG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 290/360 = 0.807 (links)

5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)

BAM-Prüfvorlage TG56; Farbmetrik-Systeme MRS18a & ORS18
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt

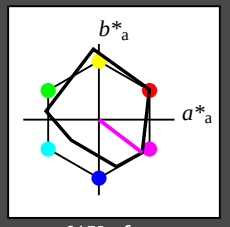
Input: *olv* setrgbcolor*
Output: *olv* setrgbcolor / w* setgray*

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton *h* = lab*h = 323/360 = 0.896*
*lab*tch* und *lab*nch*

D65: Buntton B50R
LCH*Ma: 35 72 323
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit *t**



%Umfang

u*$_{rel}$ = 92

MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	49.63	66.8	40.02	77.87	31
J_{Ma}	90.7	−7.27	93.19	93.48	94
G_{Ma}	52.11	−69.93	11.26	70.85	171
$G50B_{Ma}$	45.03	−36.65	−27.13	45.61	217
B_{Ma}	36.65	23.26	−62.27	66.49	290
$B50R_{Ma}$	34.94	57.27	−43.6	71.99	323
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.67	27.97	64.99	25
J_{CIE}	81.26	−2.91	71.56	71.62	92
G_{CIE}	52.23	−42.47	13.58	44.6	162
B_{CIE}	30.57	1.33	−46.48	46.51	272

1,00

%Regularität

g*$_{H,rel}$ = 42

g*$_{C,rel}$ = 49

0,75

n* = 0,00

0,25

n* = 0,25

Schwarzheit *n**

n* = 0,50

0,00

n* = 1,0

0,25 0,50 0,75 1,00

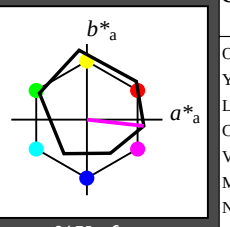
relative Buntheit *c**

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton *h* = lab*h = 354/360 = 0.982*
*lab*tch* und *lab*nch*

D65: Buntton M
LCH*Ma: 48 76 354
rgb*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit *t**



%Umfang

u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

%Regularität

g*$_{H,rel}$ = 57

g*$_{C,rel}$ = 59

n* = 0,00

n* = 0,25

Schwarzheit *n**

n* = 0,50

n* = 1,0

0,25 0,50 0,75 1,00

relative Buntheit *c**

TG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 323/360 = 0.896 (links)

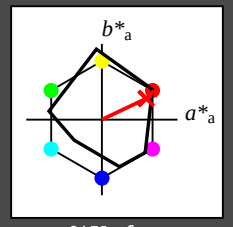
5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton *h* = lab*h = 25/360 = 0.071*
*lab*tch* und *lab*nch*

D65: Buntton R
LCH*Ma: 48 73 25
rgb*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit *t**

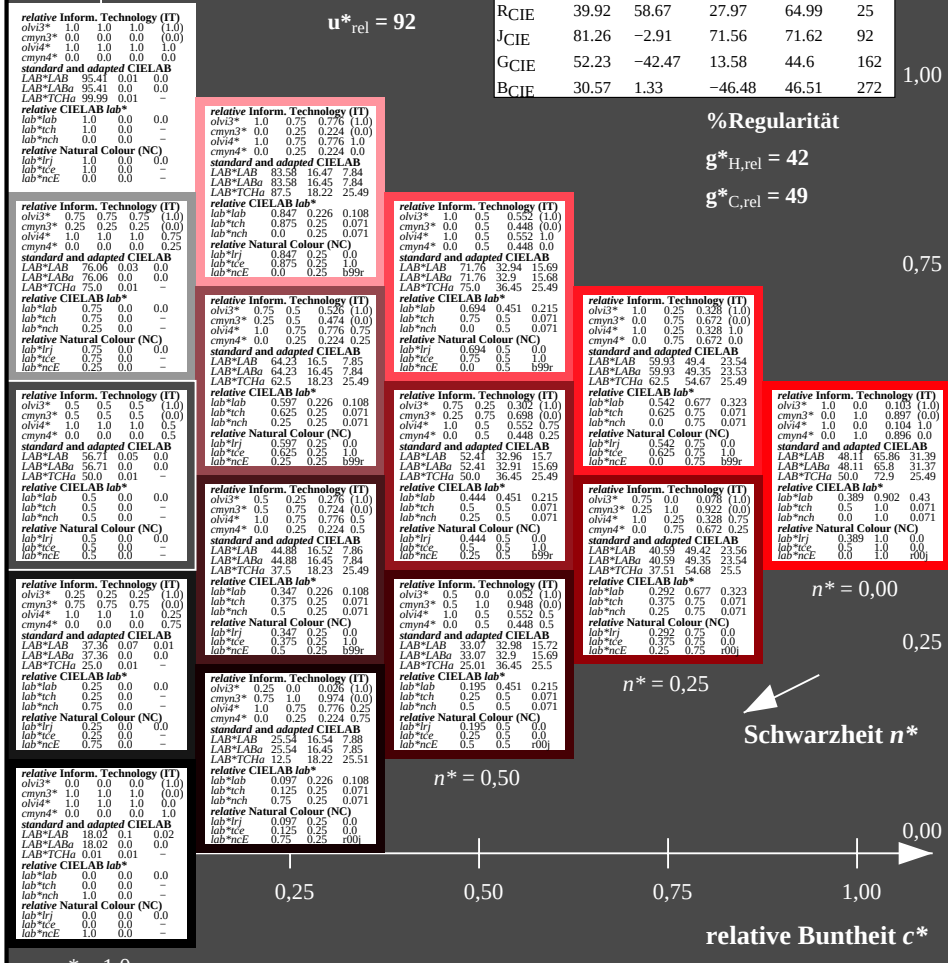


%Umfang
u*$_{rel}$ = 92

%Regularität
g*$_{H,rel}$ = 42
g*$_{C,rel}$ = 49

MRS18a; adaptierte CIELAB-Daten

	L*=L*$_a$	a*$_a$	b*$_a$	C*$_{ab,a}$	h*$_{ab,a}$
R$_{Ma}$	49.63	66.8	40.02	77.87	31
J$_{Ma}$	90.7	−7.27	93.19	93.48	94
G$_{Ma}$	52.11	−69.93	11.26	70.85	171
G50B$_{Ma}$	45.03	−36.65	−27.13	45.61	217
B$_{Ma}$	36.65	23.26	−62.27	66.49	290
B50R$_{Ma}$	34.94	57.27	−43.6	71.99	323
N$_{Ma}$	18.01	0.0	0.0	0.0	0
W$_{Ma}$	95.41	0.0	0.0	0.0	0
R$_{CIE}$	39.92	58.67	27.97	64.99	25
J$_{CIE}$	81.26	−2.91	71.56	71.62	92
G$_{CIE}$	52.23	−42.47	13.58	44.6	162
B$_{CIE}$	30.57	1.33	−46.48	46.51	272

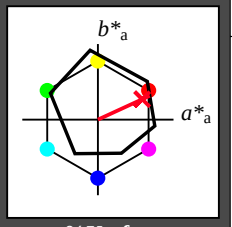


Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton *h* = lab*h = 25/360 = 0.069*
*lab*tch* und *lab*nch*

D65: Buntton R
LCH*Ma: 48 75 25
rgb*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit *t**

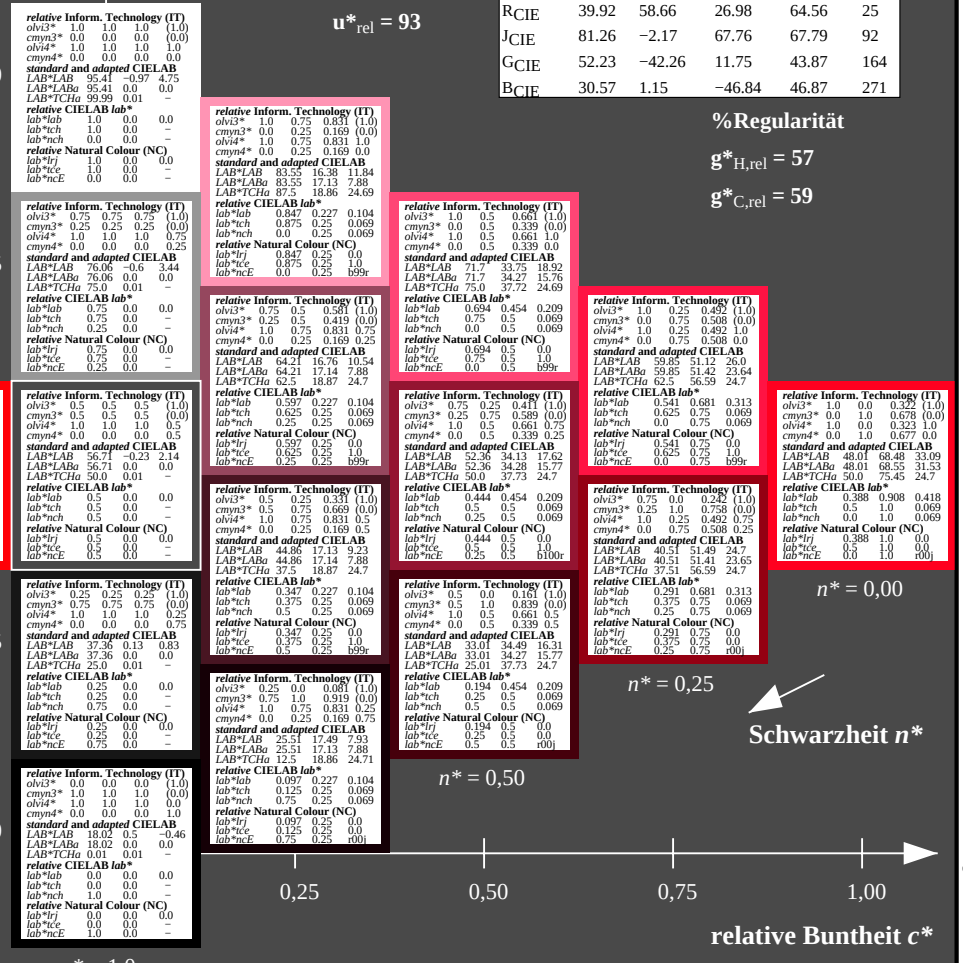


%Umfang
u*$_{rel}$ = 93

%Regularität
g*$_{H,rel}$ = 57
g*$_{C,rel}$ = 59

ORS18; adaptierte CIELAB-Daten

	L*=L*$_a$	a*$_a$	b*$_a$	C*$_{ab,a}$	h*$_{ab,a}$
O$_{Ma}$	47.94	65.37	50.52	82.62	38
Y$_{Ma}$	90.37	−10.27	91.77	92.34	96
L$_{Ma}$	50.9	−62.79	34.95	71.87	151
C$_{Ma}$	58.62	−30.35	−45.01	54.3	236
V$_{Ma}$	25.71	31.11	−44.42	54.24	305
M$_{Ma}$	48.13	75.27	−8.35	75.73	354
N$_{Ma}$	18.01	0.0	0.0	0.0	0
W$_{Ma}$	95.41	0.0	0.0	0.0	0
R$_{CIE}$	39.92	58.66	26.98	64.56	25
J$_{CIE}$	81.26	−2.17	67.76	67.79	92
G$_{CIE}$	52.23	−42.26	11.75	43.87	164
B$_{CIE}$	30.57	1.15	−46.84	46.87	271



TG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

BAM-Prüfvorlage TG56; Farbmetrik-Systeme MRS18a & ORS18
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt**one**

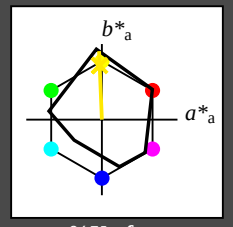
Input: *olv* setrgbcolor*
Output: *olv* setrgbcolor / w* setgray*

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton *h* = lab*h = 92/360 = 0.256*
*lab*tch* und *lab*nch*

D65: Buntton J
LCH*Ma: 89 91 92
rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit *t**



%Umfang

u*rel = 92

MRS18a; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	−7.27	93.19	93.48	94
GMa	52.11	−69.93	11.26	70.85	171
G50BMa	45.03	−36.65	−27.13	45.61	217
BMa	36.65	23.26	−62.27	66.49	290
B50RMa	34.94	57.27	−43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	−2.91	71.56	71.62	92
GCIE	52.23	−42.47	13.58	44.6	162
BCIE	30.57	1.33	−46.48	46.51	272

1,00
0,75
0,50
0,25
0,00

%Regularität

g*H,rel = 42

g*C,rel = 49

Schwarzheit *n**

*n** = 1,0 *n** = 0,50 *n** = 0,25 *n** = 0,00

0,25 0,50 0,75 1,00

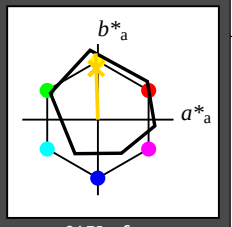
relative Buntheit *c**

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton *h* = lab*h = 92/360 = 0.255*
*lab*tch* und *lab*nch*

D65: Buntton J
LCH*Ma: 86 88 92
rgb*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit *t**



%Umfang

u*rel = 93

ORS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	−10.27	91.77	92.34	96
LMa	50.9	−62.79	34.95	71.87	151
CMa	58.62	−30.35	−45.01	54.3	236
VMa	25.71	31.11	−44.42	54.24	305
MMa	48.13	75.27	−8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	−2.17	67.76	67.79	92
GCIE	52.23	−42.26	11.75	43.87	164
BCIE	30.57	1.15	−46.84	46.87	271

%Regularität

g*H,rel = 57

g*C,rel = 59

Schwarzheit *n**

*n** = 1,0 *n** = 0,50 *n** = 0,25 *n** = 0,00

0,25 0,50 0,75 1,00

relative Buntheit *c**

TG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

BAM-Prüfvorlage TG56; Farbmetrik-Systeme MRS18a & ORS18
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt one

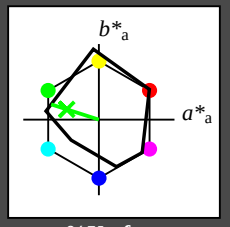
Input: *olv* setrgbcolor*
Output: *olv* setrgbcolor / w* setgray*

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton *h* = lab*h = 162/360 = 0.451*
*lab*tch* und *lab*nch*

D65: Buntton G
LCH*Ma: 56 66 162
rgb*Ma: 0.11 1.0 0.0

Dreiecks-Helligkeit *t**



%Umfang

u*$_{rel}$ = 92

MRS18a; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	49.63	66.8	40.02	77.87	31
J_{Ma}	90.7	−7.27	93.19	93.48	94
G_{Ma}	52.11	−69.93	11.26	70.85	171
$G50B_{Ma}$	45.03	−36.65	−27.13	45.61	217
B_{Ma}	36.65	23.26	−62.27	66.49	290
$B50R_{Ma}$	34.94	57.27	−43.6	71.99	323
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.67	27.97	64.99	25
J_{CIE}	81.26	−2.91	71.56	71.62	92
G_{CIE}	52.23	−42.47	13.58	44.6	162
B_{CIE}	30.57	1.33	−46.48	46.51	272

1,00

%Regularität

g*$_{H,rel}$ = 42

g*$_{C,rel}$ = 49

0,75

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 0.01 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 –
relative CIELAB *lab**
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 –
lab*nch 0.0 0.0 –
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 –
lab*ncE 0.0 0.0 –

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*LABa 76.06 0.0 0.0
LAB*TCHa 75.0 0.01 –
relative CIELAB *lab**
lab*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 –
lab*nch 0.25 0.0 –
relative Natural Colour (NC)
lab*lrj 0.75 0.0 0.0
lab*tce 0.75 0.0 –
lab*ncE 0.25 0.0 –

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.71 0.05 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 –
relative CIELAB *lab**
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 –
lab*nch 0.5 0.0 –
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 –
lab*ncE 0.5 0.0 –

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.36 0.07 0.01
LAB*LABa 37.36 0.0 0.0
LAB*TCHa 25.0 0.01 –
relative CIELAB *lab**
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 –
lab*nch 0.75 0.0 –
relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.0
lab*tce 0.25 0.0 –
lab*ncE 0.75 0.0 –

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 18.02 0.1 0.02
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 –
relative CIELAB *lab**
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 –
lab*nch 1.0 0.0 –
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 –
lab*ncE 1.0 0.0 –

n = 1,0*

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
cmyn3* 0.223 0.0 0.25 (0.0)
olvi4* 0.777 1.0 0.75 1.0
cmyn4* 0.223 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 85.63 −15.74 5.05
LAB*LABa 85.63 −15.76 5.05
LAB*TCHa 87.5 16.56 162.26
relative CIELAB *lab**
lab*lab 0.874 −0.237 0.076
lab*tch 0.875 0.25 0.451
lab*nch 0.0 0.25 0.451
relative Natural Colour (NC)
lab*lrj 0.874 −0.249 0.0
lab*tce 0.875 0.25 0.5
lab*ncE 0.0 0.25 j99g

relative Inform. Technology (IT)
olvi3* 0.527 0.75 0.5 (1.0)
cmyn3* 0.473 0.25 0.5 (0.0)
olvi4* 0.777 1.0 0.75 0.75
cmyn4* 0.223 0.0 0.25 0.25
standard and adapted CIELAB
LAB*LAB 66.28 −15.73 5.06
LAB*LABa 66.28 −15.77 5.05
LAB*TCHa 62.5 16.57 162.27
relative CIELAB *lab**
lab*lab 0.624 −0.237 0.076
lab*tch 0.625 0.25 0.451
lab*nch 0.25 0.25 0.451
relative Natural Colour (NC)
lab*lrj 0.624 −0.249 0.0
lab*tce 0.625 0.25 0.5
lab*ncE 0.25 0.25 j99g

relative Inform. Technology (IT)
olvi3* 0.277 0.5 0.25 (1.0)
cmyn3* 0.723 0.5 0.75 (0.0)
olvi4* 0.777 1.0 0.75 0.5
cmyn4* 0.223 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 46.93 −15.73 5.06
LAB*LABa 46.93 −15.77 5.05
LAB*TCHa 37.5 16.57 162.27
relative CIELAB *lab**
lab*lab 0.374 −0.237 0.076
lab*tch 0.375 0.25 0.451
lab*nch 0.5 0.25 0.451
relative Natural Colour (NC)
lab*lrj 0.374 −0.249 0.0
lab*tce 0.375 0.25 0.5
lab*ncE 0.5 0.25 j99g

relative Inform. Technology (IT)
olvi3* 0.027 0.25 0.0 (1.0)
cmyn3* 0.973 0.75 1.0 (0.0)
olvi4* 0.777 1.0 0.75 0.25
cmyn4* 0.223 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 27.58 −15.68 5.06
LAB*LABa 27.58 −15.77 5.04
LAB*TCHa 12.5 16.56 162.3
relative CIELAB *lab**
lab*lab 0.124 −0.237 0.076
lab*tch 0.125 0.25 0.451
lab*nch 0.75 0.25 0.451
relative Natural Colour (NC)
lab*lrj 0.124 −0.249 0.0
lab*tce 0.125 0.25 0.5
lab*ncE 0.75 0.25 g00b

n = 0,50*

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.555 1.0 0.5 1.0
cmyn4* 0.445 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 75.86 −31.51 10.1
LAB*LABa 75.86 −31.54 10.09
LAB*TCHa 75.0 33.13 162.26
relative CIELAB *lab**
lab*lab 0.747 −0.475 0.152
lab*tch 0.75 0.5 0.451
lab*nch 0.0 0.5 0.451
relative Natural Colour (NC)
lab*lrj 0.747 −0.499 0.0
lab*tce 0.75 0.5 0.5
lab*ncE 0.0 0.5 j99g

relative Inform. Technology (IT)
olvi3* 0.304 0.75 0.25 (1.0)
cmyn3* 0.696 0.25 0.75 (0.0)
olvi4* 0.554 1.0 0.5 0.75
cmyn4* 0.446 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 56.51 −31.5 10.11
LAB*LABa 56.51 −31.55 10.09
LAB*TCHa 50.0 33.13 162.27
relative CIELAB *lab**
lab*lab 0.497 −0.475 0.152
lab*tch 0.5 0.5 0.451
lab*nch 0.25 0.5 0.451
relative Natural Colour (NC)
lab*lrj 0.497 −0.499 0.0
lab*tce 0.5 0.5 0.5
lab*ncE 0.25 0.5 j100g

relative Inform. Technology (IT)
olvi3* 0.054 0.5 0.0 (1.0)
cmyn3* 0.946 0.5 1.0 (0.0)
olvi4* 0.554 1.0 0.5 0.5
cmyn4* 0.446 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 37.16 −31.47 10.11
LAB*LABa 37.16 −31.55 10.08
LAB*TCHa 25.01 33.13 162.28
relative CIELAB *lab**
lab*lab 0.247 −0.475 0.152
lab*tch 0.25 0.5 0.451
lab*nch 0.5 0.5 0.451
relative Natural Colour (NC)
lab*lrj 0.247 −0.499 0.0
lab*tce 0.25 0.5 0.5
lab*ncE 0.5 0.5 g00b

n = 0,25*

relative Inform. Technology (IT)
olvi3* 0.332 1.0 0.25 (1.0)
cmyn3* 0.668 0.0 0.75 (0.0)
olvi4* 0.332 1.0 0.25 1.0
cmyn4* 0.668 0.0 0.75 0.0
standard and adapted CIELAB
LAB*LAB 66.08 −47.28 15.15
LAB*LABa 66.08 −47.32 15.14
LAB*TCHa 62.5 49.7 162.26
relative CIELAB *lab**
lab*lab 0.621 −0.713 0.228
lab*tch 0.625 0.75 0.451
lab*nch 0.0 0.75 0.451
relative Natural Colour (NC)
lab*lrj 0.621 −0.749 0.0
lab*tce 0.625 0.75 0.5
lab*ncE 0.0 0.75 j99g

relative Inform. Technology (IT)
olvi3* 0.082 0.75 0.0 (1.0)
cmyn3* 0.918 0.25 1.0 (0.0)
olvi4* 0.332 1.0 0.25 0.75
cmyn4* 0.668 0.0 0.75 0.25
standard and adapted CIELAB
LAB*LAB 46.73 −47.27 15.15
LAB*LABa 46.73 −47.33 15.13
LAB*TCHa 37.51 49.7 162.28
relative CIELAB *lab**
lab*lab 0.371 −0.713 0.228
lab*tch 0.375 0.75 0.451
lab*nch 0.25 0.75 0.451
relative Natural Colour (NC)
lab*lrj 0.371 −0.749 0.0
lab*tce 0.375 0.75 0.5
lab*ncE 0.25 0.75 g00b

n = 0,25*

relative Inform. Technology (IT)
olvi3* 0.109 1.0 0.0 (1.0)
cmyn3* 0.891 0.0 1.0 (0.0)
olvi4* 0.109 1.0 0.0 1.0
cmyn4* 0.891 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 56.31 −63.05 20.19
LAB*LABa 56.31 −63.1 20.18
LAB*TCHa 50.0 66.26 162.27
relative CIELAB *lab**
lab*lab 0.495 −0.951 0.304
lab*tch 0.5 1.0 0.451
lab*nch 0.0 1.0 0.451
relative Natural Colour (NC)
lab*lrj 0.495 −0.999 0.0
lab*tce 0.5 1.0 0.5
lab*ncE 0.0 1.0 g00b

n = 0,00*

0,00

0,25

0,50

0,75

1,00

Schwarzheit *n**

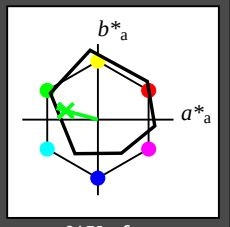
relative Buntheit *c**

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton *h* = lab*h = 164/360 = 0.457*
*lab*tch* und *lab*nch*

D65: Buntton G
LCH*Ma: 53 57 164
rgb*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit *t**



%Umfang

u*$_{rel}$ = 93

ORS18; adaptierte CIELAB-Daten

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.37	50.52	82.62	38
Y_{Ma}	90.37	−10.27	91.77	92.34	96
L_{Ma}	50.9	−62.79	34.95	71.87	151
C_{Ma}	58.62	−30.35	−45.01	54.3	236
V_{Ma}	25.71	31.11	−44.42	54.24	305
M_{Ma}	48.13	75.27	−8.35	75.73	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.56	25
J_{CIE}	81.26	−2.17	67.76	67.79	92
G_{CIE}	52.23	−42.26	11.75	43.87	164
B_{CIE}	30.57	1.15	−46.84	46.87	271

%Regularität

g*$_{H,rel}$ = 57

g*$_{C,rel}$ = 59

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.812 (1.0)
cmyn3* 0.25 0.0 0.188 (0.0)
olvi4* 0.75 1.0 0.812 1.0
cmyn4* 0.25 0.0 0.188 0.0
standard and adapted CIELAB
LAB*LAB 84.75 −14.46 7.85
LAB*LABa 84.75 −13.69 3.81
LAB*TCHa 87.5 14.22 164.46
relative CIELAB *lab**
lab*lab 0.862 −0.24 0.067
lab*tch 0.875 0.25 0.457
lab*nch 0.0 0.25 0.457
relative Natural Colour (NC)
lab*lrj 0.862 −0.249 0.0
lab*tce 0.875 0.25 0.5
lab*ncE 0.0 0.25 g00b

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.562 (1.0)
cmyn3* 0.5 0.25 0.438 (0.0)
olvi4* 0.75 1.0 0.812 0.75
cmyn4* 0.25 0.0 0.188 0.25
standard and adapted CIELAB
LAB*LAB 65.41 −14.1 6.55
LAB*LABa 65.41 −13.69 3.81
LAB*TCHa 62.5 14.22 164.46
relative CIELAB *lab**
lab*lab 0.612 −0.24 0.067
lab*tch 0.625 0.25 0.457
lab*nch 0.25 0.25 0.457
relative Natural Colour (NC)
lab*lrj 0.612 −0.249 0.0
lab*tce 0.625 0.25 0.5
lab*ncE 0.25 0.25 j99g

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.312 (1.0)
cmyn3* 0.75 0.5 0.688 (0.0)
olvi4* 0.75 1.0 0.812 0.5
cmyn4* 0.25 0.0 0.188 0.5
standard and adapted CIELAB
LAB*LAB 46.06 −13.73 5.24
LAB*LABa 46.06 −13.69 3.81
LAB*LABa 37.5 14.22 164.46
relative CIELAB *lab**
lab*lab 0.362 −0.24 0.067
lab*tch 0.375 0.25 0.457
lab*nch 0.5 0.25 0.457
relative Natural Colour (NC)
lab*lrj 0.362 −0.249 0.0
lab*tce 0.375 0.25 0.5
lab*ncE 0.5 0.25 j99g

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.062 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olvi4* 0.75 1.0 0.812 0.25
cmyn4* 0.25 0.0 0.188 0.75
standard and adapted CIELAB
LAB*LAB 26.71 −13.35 3.94
LAB*LABa 26.71 −13.69 3.82
LAB*TCHa 12.5 14.22 164.44
relative CIELAB *lab**
lab*lab 0.112 −0.24 0.067
lab*tch 0.125 0.25 0.457
lab*nch 0.75 0.25 0.457
relative Natural Colour (NC)
lab*lrj 0.112 −0.249 0.0
lab*tce 0.125 0.25 0.5
lab*ncE 0.75 0.25 j99g

n = 1,0*

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.623 (1.0)
cmyn3* 0.5 0.0 0.377 (0.0)
olvi4* 0.5 1.0 0.623 1.0
cmyn4* 0.5 0.0 0.377 0.0
standard and adapted CIELAB
LAB*LAB 74.1 −27.96 10.94
LAB*LABa 74.1 −27.39 7.62
LAB*TCHa 75.0 28.44 164.46
relative CIELAB *lab**
lab*lab 0.725 −0.481 0.134
lab*tch 0.75 0.5 0.457
lab*nch 0.0 0.5 0.457
relative Natural Colour (NC)
lab*lrj 0.725 −0.499 0.0
lab*tce 0.75 0.5 0.5
lab*ncE 0.0 0.5 g00b

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.373 (1.0)
cmyn3* 0.75 0.25 0.627 (0.0)
olvi4* 0.5 1.0 0.623 0.75
cmyn4* 0.5 0.0 0.377 0.25
standard and adapted CIELAB
LAB*LAB 54.75 −27.6 9.64
LAB*LABa 54.75 −27.39 7.62
LAB*TCHa 50.0 28.44 164.46
relative CIELAB *lab**
lab*lab 0.475 −0.481 0.134
lab*tch 0.5 0.5 0.457
lab*nch 0.25 0.5 0.457
relative Natural Colour (NC)
lab*lrj 0.475 −0.499 0.0
lab*tce 0.5 0.5 0.5
lab*ncE 0.25 0.5 j99g

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.185 (1.0)
cmyn3* 1.0 0.25 0.815 (0.0)
olvi4* 0.25 1.0 0.435 0.75
cmyn4* 0.75 0.0 0.565 0.25
standard and adapted CIELAB
LAB*LAB 44.11 −41.09 12.73
LAB*LABa 44.11 −41.09 11.44
LAB*TCHa 37.51 42.66 164.45
relative CIELAB *lab**
lab*lab 0.337 −0.721 0.201
lab*tch 0.375 0.75 0.457
lab*nch 0.25 0.75 0.457
relative Natural Colour (NC)
lab*lrj 0.337 −0.749 0.0
lab*tce 0.375 0.75 0.5
lab*ncE 0.25 0.75 j99g

n = 0,50*

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.623 (1.0)
cmyn3* 0.5 0.0 0.377 (0.0)
olvi4* 0.5 1.0 0.623 1.0
cmyn4* 0.5 0.0 0.377 0.0
standard and adapted CIELAB
LAB*LAB 74.1 −27.96 10.94
LAB*LABa 74.1 −27.39 7.62
LAB*TCHa 75.0 28.44 164.46
relative CIELAB *lab**
lab*lab 0.725 −0.481 0.134
lab*tch 0.75 0.5 0.457
lab*nch 0.0 0.5 0.457
relative Natural Colour (NC)
lab*lrj 0.725 −0.499 0.0
lab*tce 0.75 0.5 0.5
lab*ncE 0.0 0.5 g00b

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.373 (1.0)
cmyn3* 0.75 0.25 0.627 (0.0)
olvi4* 0.5 1.0 0.623 0.75
cmyn4* 0.5 0.0 0.377 0.25
standard and adapted CIELAB
LAB*LAB 54.75 −27.6 9.64
LAB*LABa 54.75 −27.39 7.62
LAB*TCHa 50.0 28.44 164.46
relative CIELAB *lab**
lab*lab 0.475 −0.481 0.134
lab*tch 0.5 0.5 0.457
lab*nch 0.25 0.5 0.457
relative Natural Colour (NC)
lab*lrj 0.475 −0.499 0.0
lab*tce 0.5 0.5 0.5
lab*ncE 0.25 0.5 j99g

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.185 (1.0)
cmyn3* 1.0 0.25 0.815 (0.0)
olvi4* 0.25 1.0 0.435 0.75
cmyn4* 0.75 0.0 0.565 0.25
standard and adapted CIELAB
LAB*LAB 44.11 −41.09 12.73
LAB*LABa 44.11 −41.09 11.44
LAB*TCHa 37.51 42.66 164.45
relative CIELAB *lab**
lab*lab 0.337 −0.721 0.201
lab*tch 0.375 0.75 0.457
lab*nch 0.25 0.75 0.457
relative Natural Colour (NC)
lab*lrj 0.337 −0.749 0.0
lab*tce 0.375 0.75 0.5
lab*ncE 0.25 0.75 j99g

n = 0,25*

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.248 (1.0)
cmyn3* 1.0 0.0 0.754 (0.0)
olvi4* 0.0 1.0 0.246 1.0
cmyn4* 1.0 0.0 0.754 0.0
standard and adapted CIELAB
LAB*LAB 52.8 −54.95 17.13
LAB*LABa 52.8 −54.79 15.24
LAB*TCHa 50.0 56.88 164.45
relative CIELAB *lab**
lab*lab 0.45 −0.962 0.268
lab*tch 0.5 1.0 0.457
lab*nch 0.0 1.0 0.457
relative Natural Colour (NC)
lab*lrj 0.45 −0.999 0.0
lab*tce 0.5 1.0 0.5
lab*ncE 0.0 1.0 j99g

n = 0,00*

Schwarzheit *n**

relative Buntheit *c**

TG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

BAM-Prüfvorlage TG56; Farbmetrik-Systeme MRS18a & ORS18
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt one

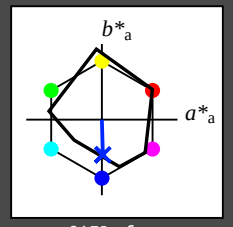
Input: *olv* setrgbcolor*
Output: *olv* setrgbcolor / w* setgray*

Eingabe: Farbmetrisches Reflexions-System MRS18a

für Buntton *h* = lab*h = 272/360 = 0.755*
*lab*tch* und *lab*nch*

D65: Buntton B
LCH*Ma: 40 49 272
rgb*Ma: 0.0 0.36 1.0

Dreiecks-Helligkeit *t**



%Umfang

u*rel = 92

MRS18a; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	−7.27	93.19	93.48	94
GMa	52.11	−69.93	11.26	70.85	171
G50BMa	45.03	−36.65	−27.13	45.61	217
BMa	36.65	23.26	−62.27	66.49	290
B50RMa	34.94	57.27	−43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	−2.91	71.56	71.62	92
GCIE	52.23	−42.47	13.58	44.6	162
BCIE	30.57	1.33	−46.48	46.51	272

1,00

%Regularität

g*H,rel = 42

g*C,rel = 49

0,75

0,50

0,25

0,00

Schwarzheit *n**

*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 1,0

0,25 0,50 0,75 1,00

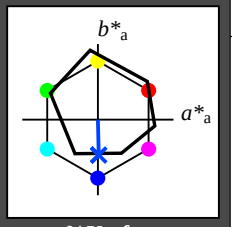
relative Buntheit *c**

Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton *h* = lab*h = 271/360 = 0.754*
*lab*tch* und *lab*nch*

D65: Buntton B
LCH*Ma: 42 45 271
rgb*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit *t**



%Umfang

u*rel = 93

ORS18; adaptierte CIELAB-Daten

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	−10.27	91.77	92.34	96
LMa	50.9	−62.79	34.95	71.87	151
CMa	58.62	−30.35	−45.01	54.3	236
VMa	25.71	31.11	−44.42	54.24	305
MMa	48.13	75.27	−8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.56	25
JCIE	81.26	−2.17	67.76	67.79	92
GCIE	52.23	−42.26	11.75	43.87	164
BCIE	30.57	1.15	−46.84	46.87	271

%Regularität

g*H,rel = 57

g*C,rel = 59

Schwarzheit *n**

*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 1,0

0,25 0,50 0,75 1,00

relative Buntheit *c**

TG560−7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)

BAM-Prüfvorlage TG56; Farbmetrik-Systeme MRS18a & ORS18
D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Buntt one

Input: *olv* setrgbcolor*
Output: *olv* setrgbcolor / w* setgray*